



SEQUENCE LISTING

<10> Lukyanov, Sergey

<120> Nucleic Acids Encoding Linked
Chromo/Fluorescent Domains and Methods for Using the Same

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<141> 2004-03-22

<150> 09/976,673

<151> 2001-10-12

<150> 60/356,225

<151> 2002-02-11

<150> 60/383,336

<151> 2002-05-22

<150> PCT/US02/32560

<151> 2002-10-10

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 35 40 45
 Gly Ala Pro Leu Pro Phe Ala Phe Asp Ile Leu Ala Pro Cys Cys Glu
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Gly Ser Arg Thr Phe Val His His Thr Ala Glu Ile Pro Asp Phe Phe
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Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Thr Tyr
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Glu Asp Gly Gly Ile Leu Thr Ala His Gln Asp Thr Ser Leu Glu Gly
100          105          110
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Glu Val Val Tyr Pro Glu Asn Gly Val Leu Cys Gly Arg Asn Val Met
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Ala Leu Lys Val Gly Asp Arg His Leu Ile Cys His His Tyr Thr Ser
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Tyr Arg Ser Lys Lys Ala Val Arg Ala Leu Thr Met Pro Gly Phe His
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Phe Thr Asp Ile Arg Leu Gln Met Leu Arg Lys Lys Lys Asp Glu Tyr
195          200          205
Phe Glu Leu Tyr Glu Ala Ser Val Ala Arg Tyr Ser Asp Leu Pro Glu
210          215          220
Lys Ala Asn Arg Ser Pro Gly Met Ser Gly Leu Leu Lys Glu Ser Met
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Gln Asp Thr Ser Leu Glu Gly Asn Cys Leu Ile Tyr Lys Val Lys Val					
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His	Phe	Glu	Asp	His	Arg	Ile	Glu	Ile	Leu	Glu	Glu	Val	Glu	Lys	Gly
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Lys	Cys	Tyr	Lys	Gln	Tyr	Glu	Ala	Ala	Val	Gly	Arg	Tyr	Cys	Asp	Ala
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Pro	Glu	Gly	Phe	Thr	Trp	Glu	Arg	Thr	Thr	Thr	Tyr	Glu	Asp	Gly	Gly
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Phe	Leu	Thr	Ala	His	Gln	Asp	Thr	Ser	Leu	Asp	Gly	Asp	Cys	Leu	Val
			340					345					350		
Tyr	Lys	Val	Lys	Ile	Leu	Gly	Asn	Asn	Phe	Pro	Ala	Asp	Gly	Pro	Val
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Glu	Val	Asp	Gly	Val	Leu	Arg	Gly	Gln	Ser	Ser	Met	Ala	Leu	Glu	Cys
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Pro	Gly	Gly	Arg	His	Leu	Thr	Cys	His	Leu	His	Thr	Thr	Tyr	Arg	Ser
				405					410					415	
Lys	Lys	Pro	Ala	Ser	Ala	Leu	Lys	Met	Pro	Gly	Phe	His	Phe	Glu	Asp
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 Leu Gly His Asn
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 aagatcgagg tgatcgaggg cggccccctg cccttcgcct tccacatcct gtccacctcc 180
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 35 40 45
 Pro Leu Pro Phe Ala Phe His Ile Leu Ser Thr Ser Cys Met Tyr Gly
 50 55 60
 Ser Lys Ala Phe Ile Lys Tyr Val Ser Gly Ile Pro Asp Tyr Phe Lys
 65 70 75 80
 Gln Ser Leu Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Thr Tyr Glu
 85 90 95
 Asp Gly Gly Phe Leu Thr Ala His Gln Asp Thr Ser Leu Asp Gly Asp
 100 105 110

Cys Leu Val Tyr Lys Val Lys Ile Leu Gly Asn Asn Phe Pro Ala Asp
 115 120 125
 Gly Pro Val Met Gln Asn Lys Ala Gly Arg Trp Glu Pro Ser Thr Glu
 130 135 140
 Ile Val Tyr Glu Val Asp Gly Val Leu Arg Gly Gln Ser Leu Met Ala
 145 150 155 160
 Leu Glu Cys Pro Gly Gly Arg His Leu Thr Cys His Leu His Thr Thr
 165 170 175
 Tyr Arg Ser Lys Lys Pro Ala Ser Ala Leu Lys Met Pro Gly Phe His
 180 185 190
 Phe Glu Asp His Arg Ile Glu Ile Leu Glu Glu Val Glu Lys Gly Lys
 195 200 205
 Cys Tyr Lys Gln Tyr Glu Ala Ala Val Gly Arg Tyr Cys Asp Ala Ala
 210 215 220
 Pro Ser Lys Leu Gly His Asn Arg Ser Pro Gly Ala Ser Leu Leu Thr
 225 230 235 240
 Glu Thr Met Pro Phe Arg Thr Thr Ile Glu Gly Thr Val Asn Gly His
 245 250 255
 Tyr Phe Lys Cys Thr Gly Lys Gly Glu Gly Asn Pro Leu Glu Gly Thr
 260 265 270
 Gln Glu Met Lys Ile Glu Val Ile Glu Gly Gly Pro Leu Pro Phe Ala
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 Phe His Ile Leu Ser Thr Ser Cys Met Tyr Gly Ser Lys Ala Phe Ile
 290 295 300
 Lys Tyr Val Ser Gly Ile Pro Asp Tyr Phe Lys Gln Ser Leu Pro Glu
 305 310 315 320
 Gly Phe Thr Trp Glu Arg Thr Thr Thr Tyr Glu Asp Gly Gly Phe Leu
 325 330 335
 Thr Ala His Gln Asp Thr Ser Leu Asp Gly Asp Cys Leu Val Tyr Lys
 340 345 350
 Val Lys Ile Leu Gly Asn Asn Phe Pro Ala Asp Gly Pro Val Met Gln
 355 360 365
 Asn Lys Ala Gly Arg Trp Glu Pro Ser Thr Glu Ile Val Tyr Glu Val
 370 375 380
 Asp Gly Val Leu Arg Gly Gln Ser Leu Met Ala Leu Glu Cys Pro Gly
 385 390 395 400
 Gly Arg His Leu Thr Cys His Leu His Thr Thr Tyr Arg Ser Lys Lys
 405 410 415
 Pro Ala Ser Ala Leu Lys Met Pro Gly Phe His Phe Glu Asp His Arg
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